

## LITTLE COLORADO RIVER BASIN

09400655 RIO DE FLAG AT INTERSTATE 40 AT FLAGSTAFF, AZ

LOCATION.--Lat 35°11'04", long 111°37'56", in SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.22, T.21 N., R.7 E., Coconino County, Hydrologic Unit 15020015, on left bank 80 ft upstream from bridge for eastbound lanes of Interstate 40, in Flagstaff.

DRAINAGE AREA.--82.4 mi<sup>2</sup>.

### Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1970	09-05-70	350	ES,C	1977	00-00-77	3.0	LT,C
1971	07-21-71	50	ES,C	1978	02-28-78	153	C
1972	12-28-71	100	ES,C	1979	12-19-78	421	C
1973	04-25-73	<sup>1</sup> 300	C	1980	02-20-80	165	C
1974	00-00-74	0		1981	04-00-81	150	ES,C
1975	10-30-74	70	ES,C	1982	03-12-82	370	C
1976	02-09-76	134	C				

<sup>1</sup>Highest since 1938.

Magnitude and probability of instantaneous peak flow based on period of record

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
---	---	---	---	---	---
Weighted skew	(logs) =	---			
Mean	(logs) =	---			
Standard dev.	(logs) =	---			

† Reliability of values in column is uncertain, and potential errors are large.

### Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
55.5	5.9	7,840	97.0	3.0	20.0	1.9	3.6

